



Mayor's Bicycle Advisory Commission 08.22.2018



Agenda

1. Bird Scooter Presentation
2. Lime Scooter Presentation
3. Big Jump Party Recap
4. Preliminary look at September Bike Count Data
5. Bike Projects Update
6. Dockless Pilot Update
7. Miscellaneous Business



Serving Baltimore



Contents

Background on Bird
Bird x Baltimore
Rider Education

Background on Bird

What Is Bird?

Bird is a last-mile electric vehicle sharing company dedicated to bringing affordable, environmentally friendly transportation solutions to communities across the world.





Our Mission

We were founded with one mission in mind: getting cars off the road to help improve the mobility and well-being of communities where Bird operates.

Metro | Bus | Cabs | Bikes | Bird

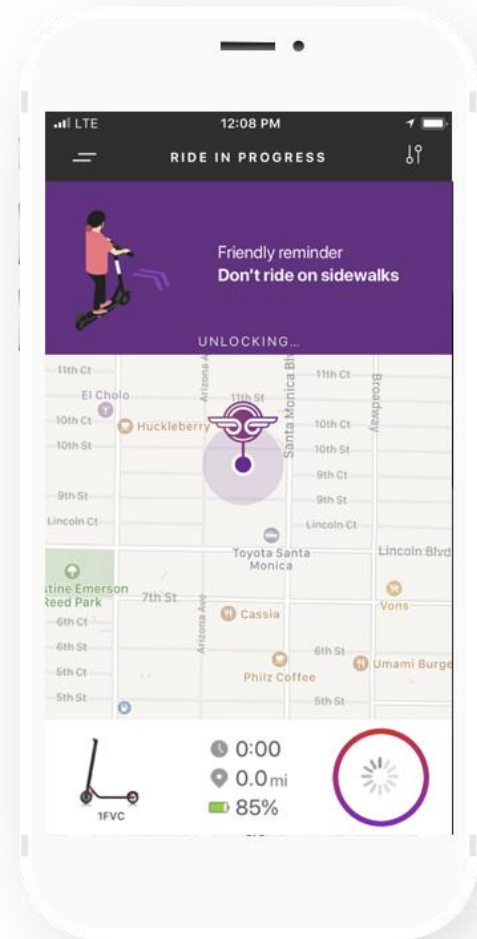
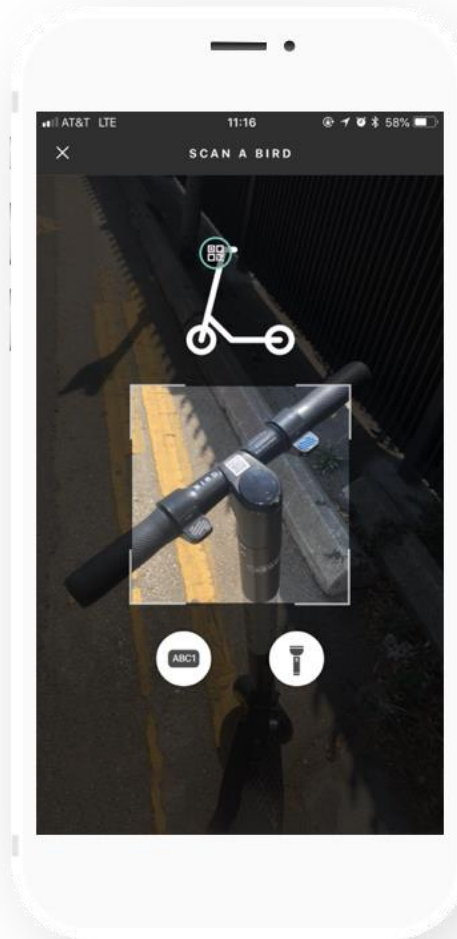


Bird is Helping Baltimore

- Provide Affordable Transit
- Reduce Carbon Emissions
- Reduce Traffic Congestion
- Reduce Parking Problems
- Invest in Shared Infrastructure
- Promote Local Commerce
- Increase Access to Transportation in Underserved Areas

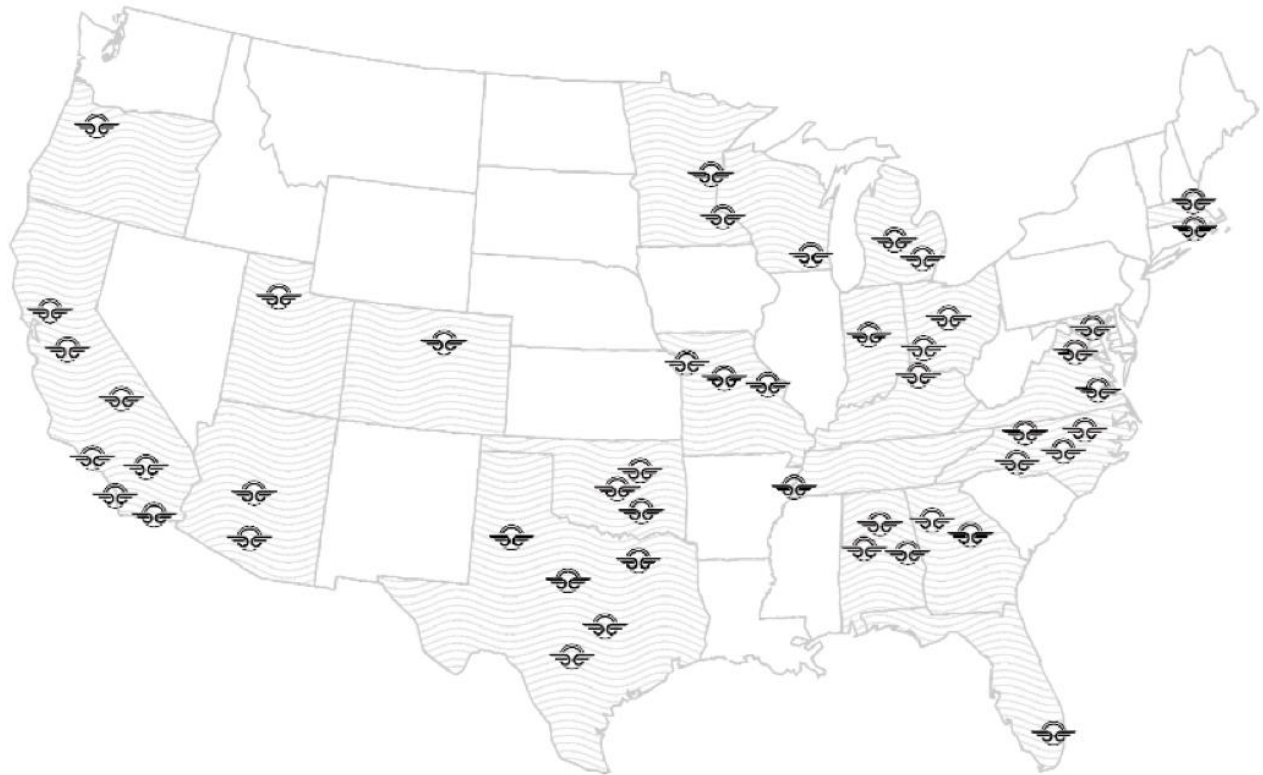
How We Work

Bird is Easy - Just Find a Bird, Scan, and Go!
Bird is Cheap - \$1 to Start, 15¢ per Min



Bird Learnings

Tallying over **10M rides**, available in more than **100 cities** & preventing over **12.7M lbs of CO2** in just one year, Bird is fully-committed to providing support to City officials, riders, chargers, mechanics, and residents



Bird x Baltimore

Bird's Commitment to Baltimore

In collaboration with Baltimore, Bird is dedicated to upholding and prioritizing the following responsibilities:

- **Community Engagement**
- **Safety**
- **Fleet Management**
- **Customer Service**
- **Data Sharing**

S.O.S.

Save Our Sidewalks Pledge



Daily Pickup: All vehicles are retrieved from streets every night



Responsible Growth: We will not increase the number of vehicles in a market until they are being used on average at least three times per vehicle per day



Revenue Sharing: Offer to remit \$1 per vehicle per day to city governments to build infrastructure that supports alternative transportation

Equity Programs

One Bird: improves mobility and increase access to employment opportunities for underserved communities.

Red, White, and Bird: expands access to convenient, last- mile transportation options for U.S. military service members and veterans.

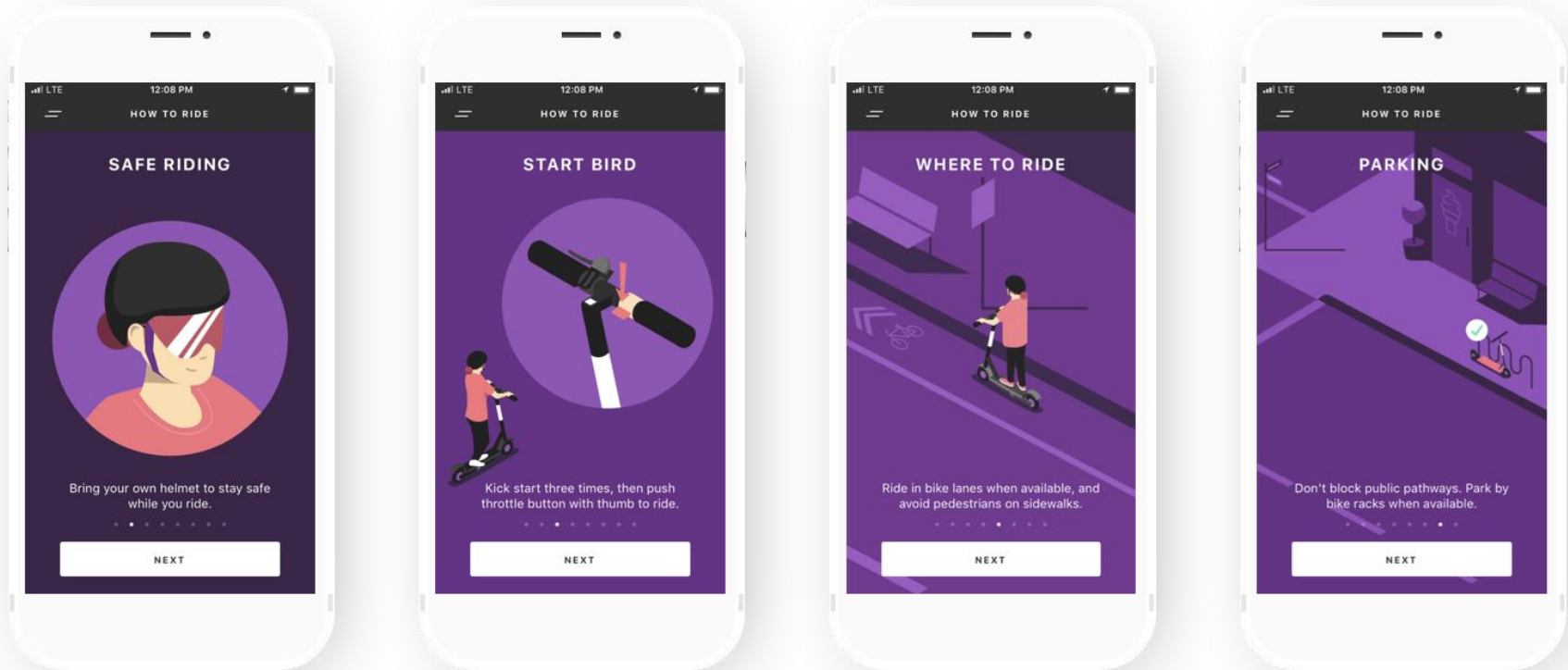
Accessibility for the unbanked and or those without credit cards: we currently provide options for those without a credit card to use Bird, including the purchasing pre-loaded cash cards to use in the Bird app.

Non-smart phone access: we are currently developing text-to-ride services, call-to-ride services, and we are evaluating Near Field Communication (NFC) cards and readers.

Rider Education

In-App Communication

Before beginning their first ride, all Bird riders must first complete an in-app tutorial focused on safety and rider education.





Bird Watchers

Employees who are dedicated to:

- Removing Birds out of the public right of way
- Making adjustments to their location by placing them in safer areas
- Engaging with Bird riders to educate them on safe riding practices
- Removing damaged Birds

Safety Ambassadors

Deployed to educate riders and community members and to help promote a safe and equitable service.

Events & Awareness

In communities where Bird operates, we are committed to:

- Hosting regular safety events
- Stocking local businesses and City-run organizations with free helmets
- Utilizing online advertising and social media campaigns to promote safety and rider education



Don't ride on
sidewalks



Wear your
helmet



Park nicely



Global Safety Advisory Board

Bird's Global Safety Advisory Board is led by David Strickland, former Head of the National Highway Traffic Administration (NHTSA).

The Board will create, advise, and implement global safety programs, campaigns, and products focused on increasing the safety of people riding slow-speed electric scooters as well individuals who share space with these riders.



Thank you





Baltimore Mobility Pilot

—
2018

Lime's Mission

- ❖ To provide the most trusted transportation products and services by making them universally accessible and affordable
- ❖ To make the world greener, healthier, happier and smarter



It's Easy to Locate, Unlock, Ride and Pay

New technology allows us to create a seamless smart mobility experience

- 1 Find available rides on our live GPS map
- 2 Unlock with QR code or plate number
- 3 Lock the back wheel (for bikes) or in- app (for scooters) to end the ride
- 4 Easily & safely track & pay for each ride



© 2017 LimeBike. Proprietary and confidential. Do not distribute.

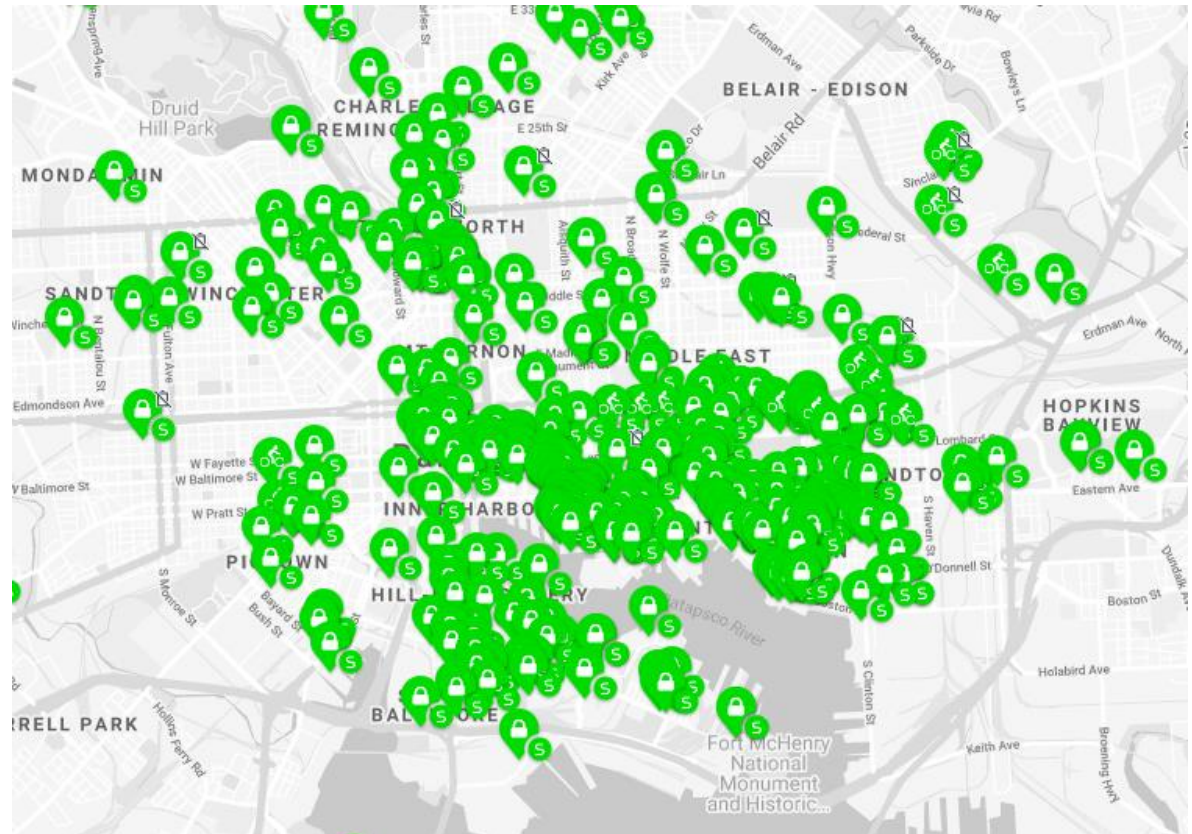
Economic Growth



- ❖ Crowdsourced Juicer program has yielded over 300+ local participants.
- ❖ Local Operations team has staffed up to 20+ full time members and growing!
- ❖ LimeHub partnerships with local businesses such as, aMuse Toys, to increase foot traffic at their storefront.

Accessibility

- ❖ Lime is committed to ensuring our program is accessible to all communities.



Lime on Social

Just rode a Lime scooter from Hampden to Hamilton. AMA. #baltimore



2:07 PM - 22 Sep 2018



Today I rode 7.5 miles on a #Baltimore electric scooter. AMA

3:44 PM - 11 Sep 2018

Catch me whippin' my Lime Scooter on the streets of Baltimore all day.

12:03 PM - 22 Sep 2018



LimeNation



Lime will be attending Southwest Palooza on Saturday, September 29th between 3pm-7pm.

Stop by the tent for rider education and free demo rides!



THANK YOU!

Questions? Please contact
Sean@li.me



Big Jump Celebration





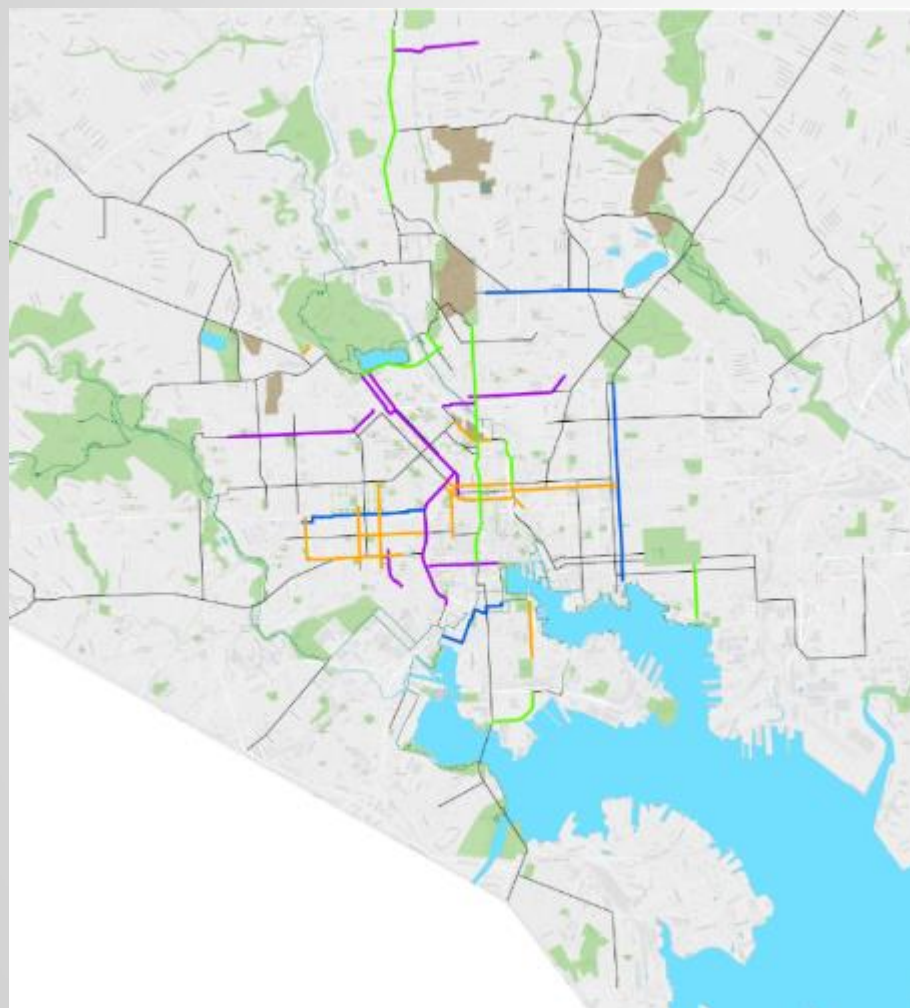
September Bike Count Data

Place Holder



Projects Update

Existing Bike Facilities and 2018 Bicycle Facility Design and Construction



Legend

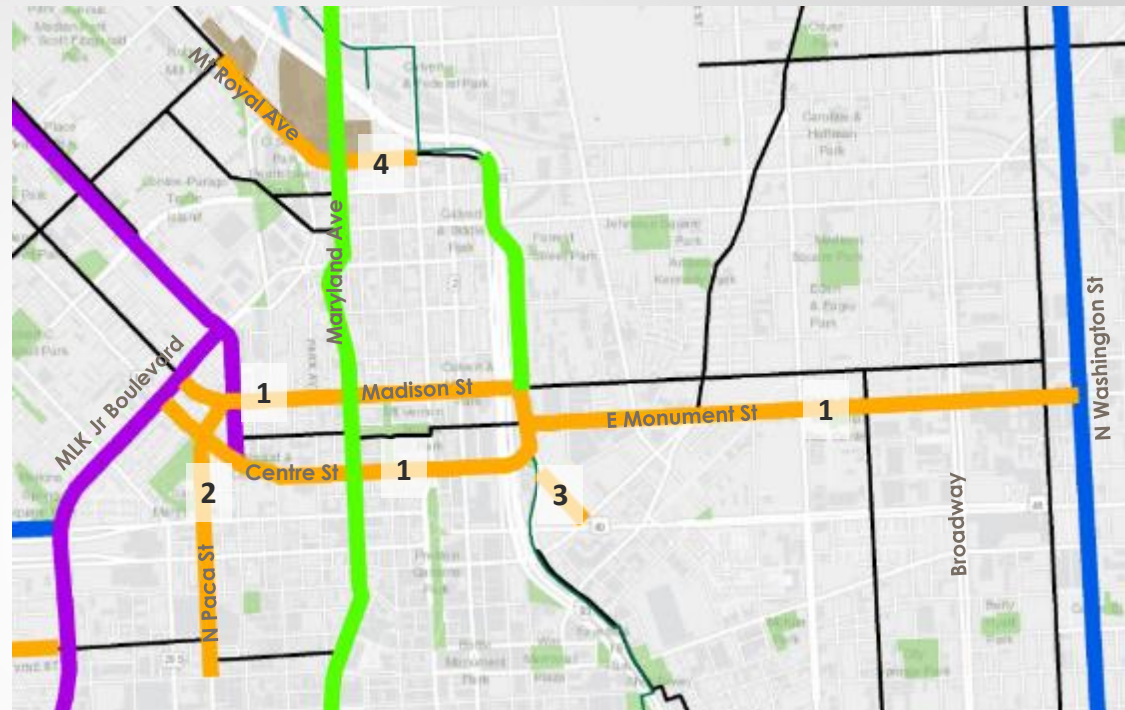
- Existing Separated Bike Facilities
- 2018 Bike Facility Construction
- 2018 Bike Facility Design
- 2018 Bike Facility Grant Applications
- MULTI-USE TRAILS - Existing
- Separated Bike Lane Network Plan



Project Status – Construction

Legend

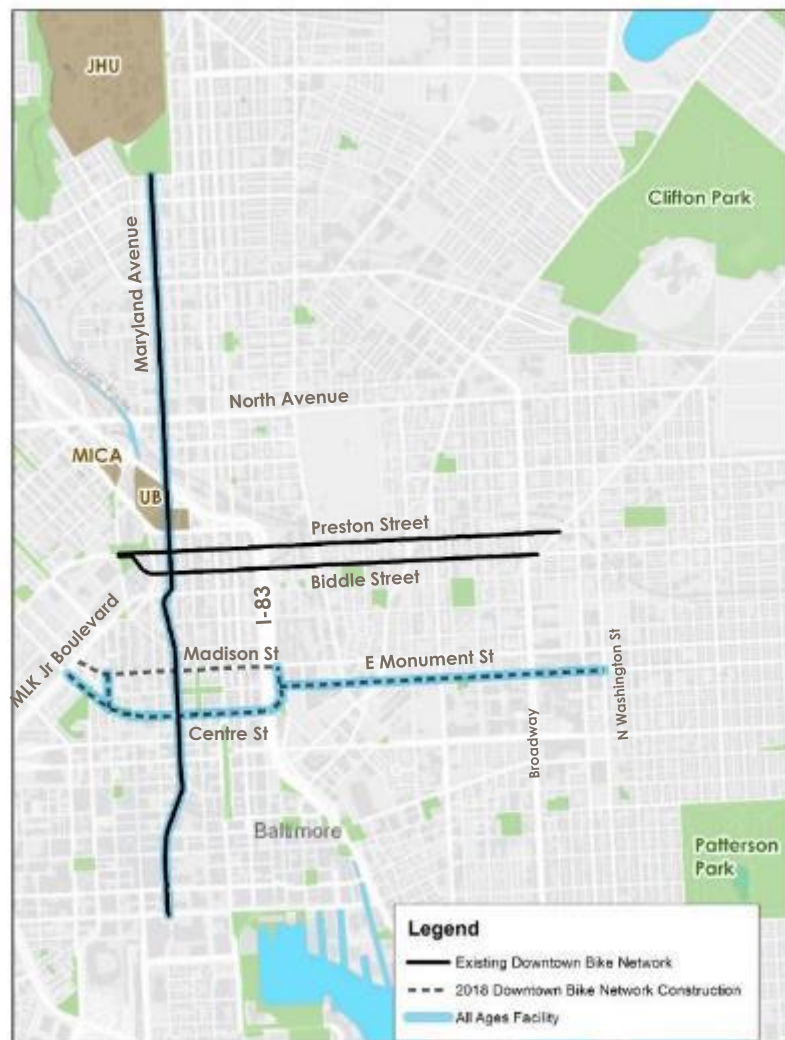
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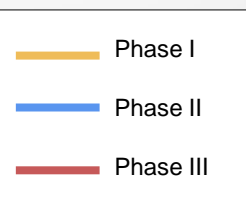
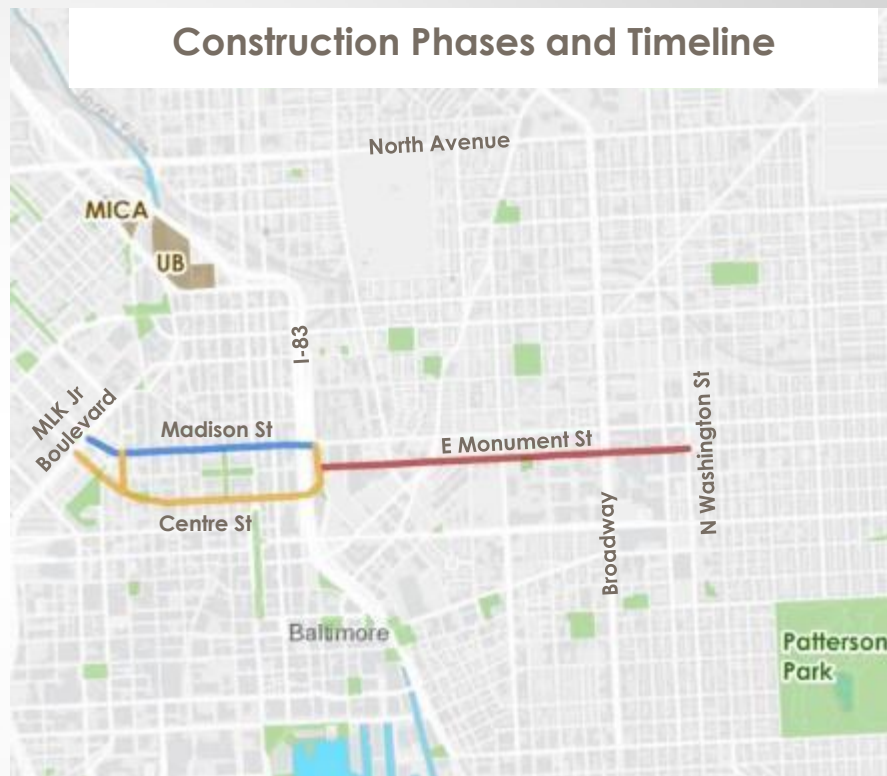
		Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
1	Downtown Bike Network	Cycle Track/Buffered Bike Lane	MLK Jr Blvd to N Washington St	2.4	4.8	<ul style="list-style-type: none"> \$1.2 million TAP Grant 	<ul style="list-style-type: none"> Construction Start: September 2018 Construction Complete: November 2018
2	N Paca Street	Cycle Track/Bike Lane	W Fayette St to Druid Hill Ave	.25	.50	<ul style="list-style-type: none"> Repaving 	<ul style="list-style-type: none"> Construction Complete November 2018
3	N High Street	Bike Lane	Hillen St to Fallsway	.10	.20	<ul style="list-style-type: none"> Repaving 	<ul style="list-style-type: none"> Construction Complete November 2018
4	Mount Royal Avenue	Cycle Track	St Paul St to W Lafayette Ave	.40	.80	<ul style="list-style-type: none"> Federal Funds 	<ul style="list-style-type: none"> Construction Complete 2019



Project Status – Downtown Bike Network Construction



Construction Phases and Timeline



	September	October	November
Phase I			
Phase II			
Phase III			



Project Status – Downtown Bike Network Construction

Druid Hill Ave – MLK Jr Blvd to N Eutaw St



Buffered Bike Lane
Single Travel Lane





Project Status – Downtown Bike Network Construction

W Centre St – N Eutaw St to N Charles St



Two Way Cycle Track
Single Travel Lane





Project Status – Downtown Bike Network Construction

E Centre St – N Charles St to St Paul St



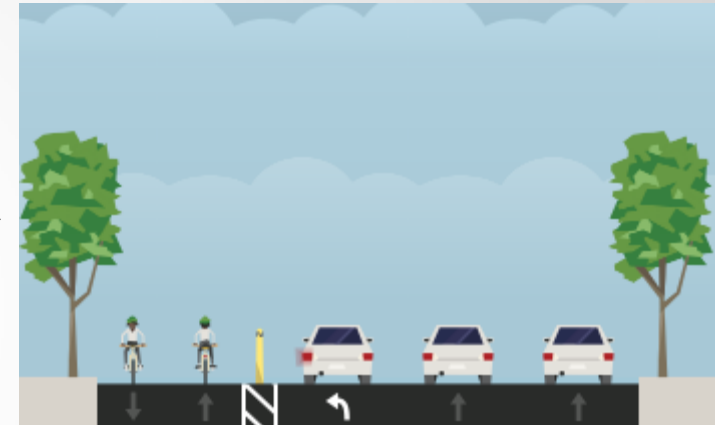
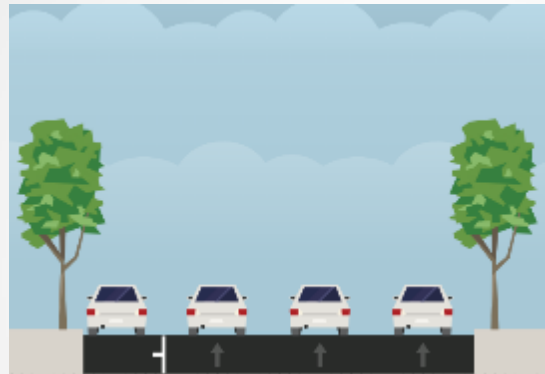
Two Way Cycle Track





Project Status – Downtown Bike Network Construction

E Centre St – St Paul St to Fallsway



Two Way Cycle Track





Project Status – Downtown Bike Network Construction

E Monument St – Fallsview to N Central Ave



Two Way Cycle Track





Project Status – Downtown Bike Network Construction

E Monument St – N Central Ave to N Broadway



Two Way Cycle Track
7am-7pm M-F Restricted Parking





Project Status – Downtown Bike Network Construction

E Monument St – N Broadway to N Washington



Two Way Cycle Track





Project Status – Downtown Bike Network Construction

Fallsway – E Centre St to E Madison Ave



Two Way Cycle Track
Two Travel Lanes





Project Status – Downtown Bike Network Construction

E Madison St – Fallsway to N Calvert St



One Way Cycle Track





Project Status – Downtown Bike Network Construction

E/W Madison – N Calvert St to N Howard St



Buffered Bike Lane
Single Travel Lane





Project Status – Downtown Bike Network Construction

W Madison St – N Howard St to N Eutaw St



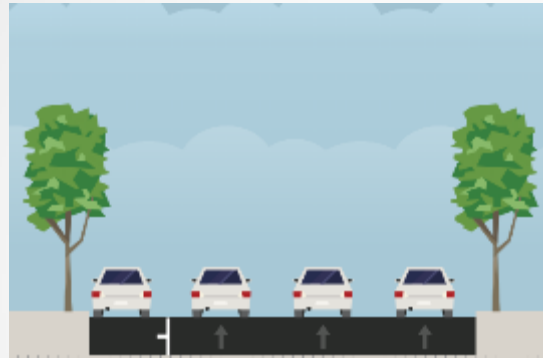
Buffered Bike Lane





Project Status – Downtown Bike Network Construction

W Madison St – N Eutaw St to MLK Jr Blvd



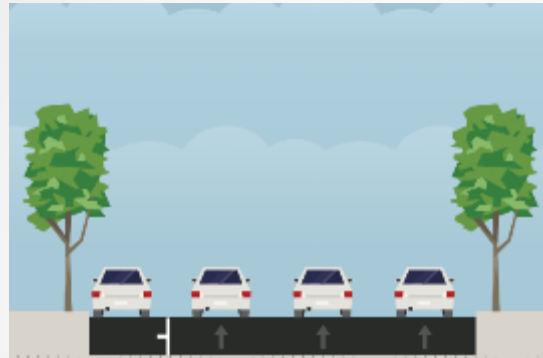
One Way Cycle Track
Two Travel Lanes





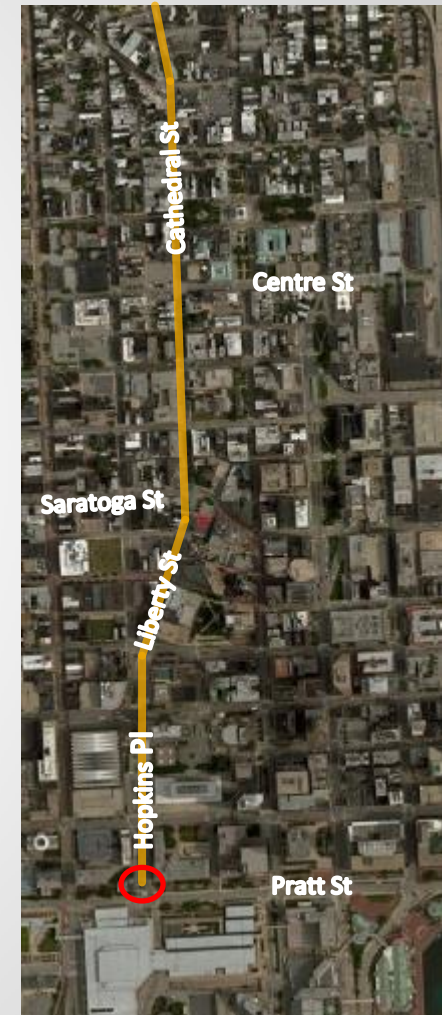
Project Status – Downtown Bike Network Construction

W Madison St – N Eutaw St to MLK Jr Blvd



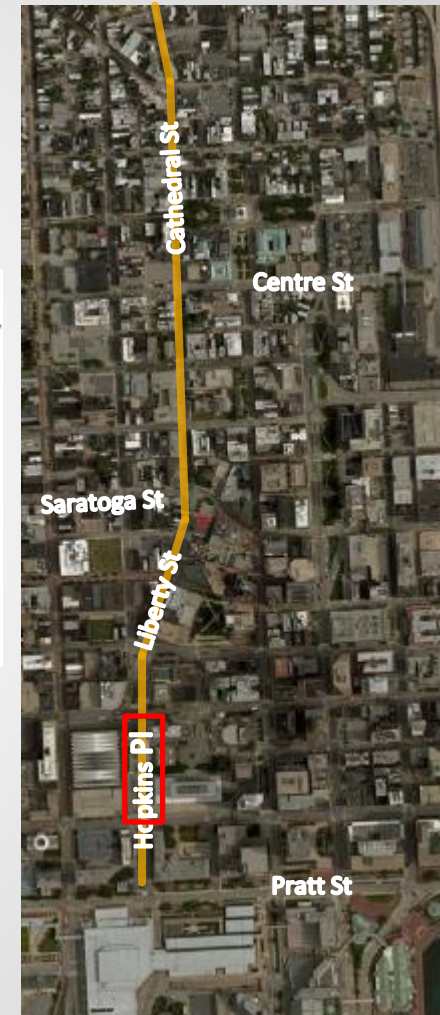
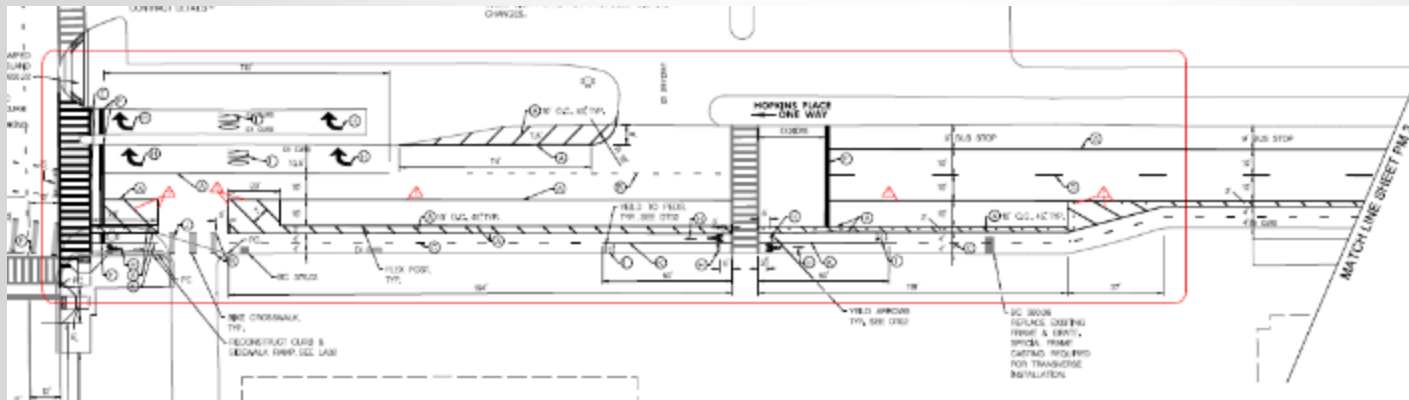
One Way Cycle Track
Two Travel Lanes

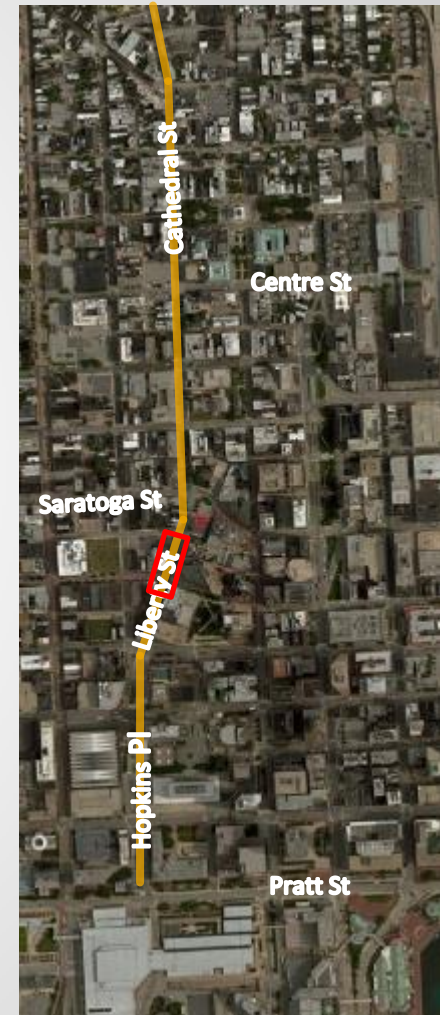


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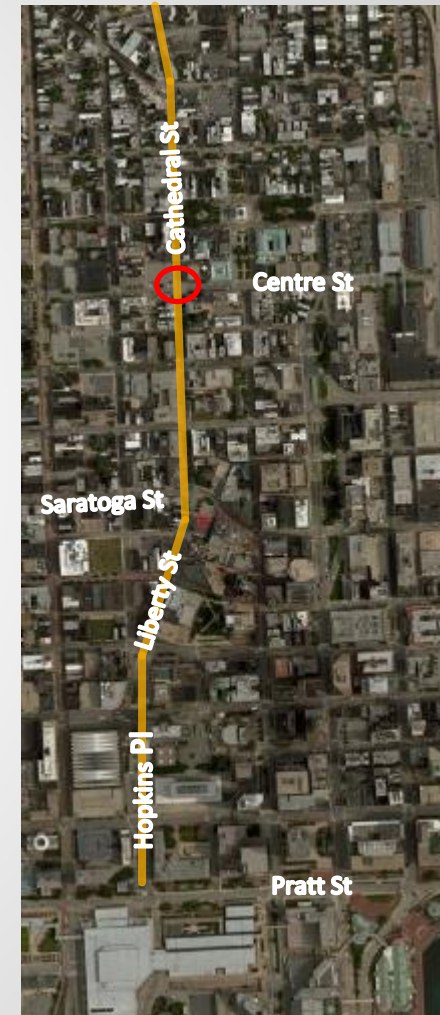
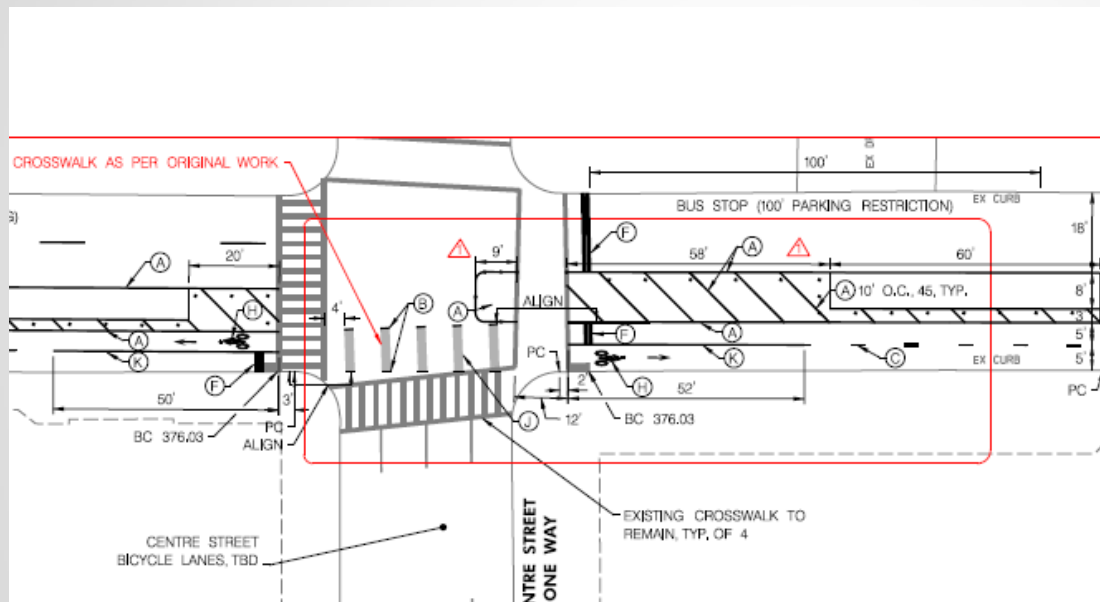
Project Status – Downtown Bike Network Construction







Project Status – Downtown Bike Network Construction





Project Construction Status – Covington Street

Legend

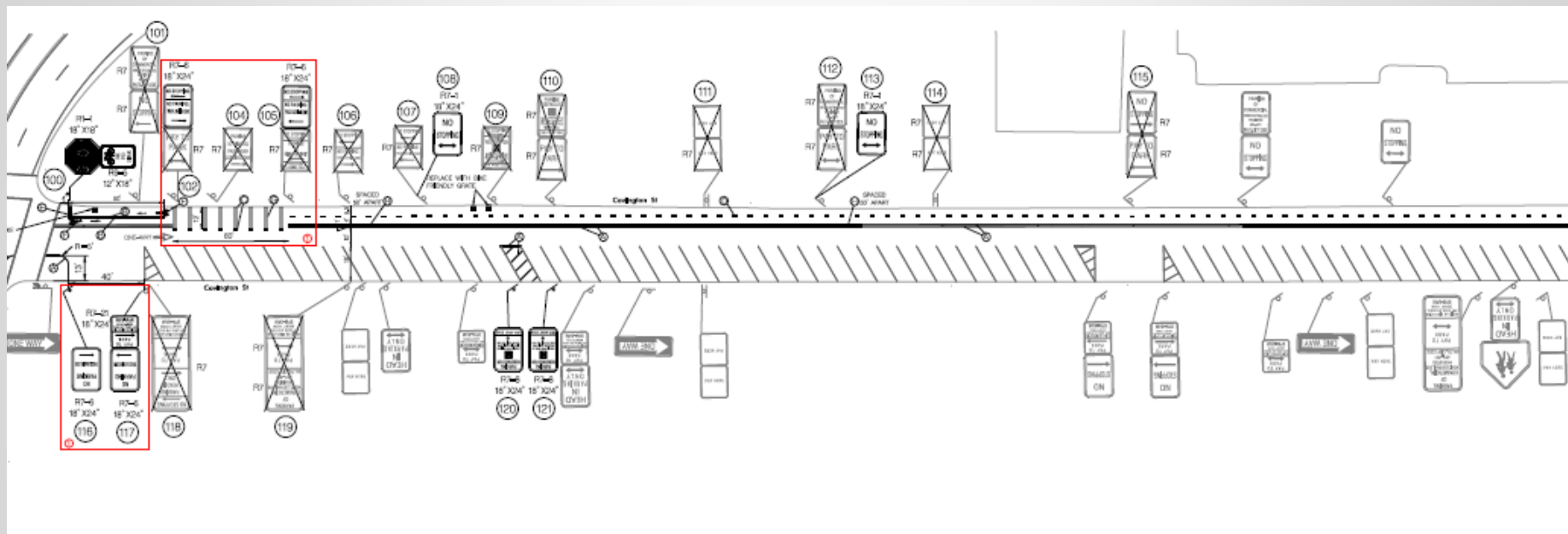
- Existing Separated Bike Facilities
- 2018 Bike Facility Construction
- 2018 Bike Facility Design
- 2018 Bike Facility Grant Applications
- MULTI-USE TRAILS - Existing
- Separated Bike Lane Network Plan



	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Covington Street	Cycle Track/Bike Boulevard	Key Highway to E Randall Street	.60	1.2	• \$91,350 FY18 Bikeways	• Construction Complete November 2018



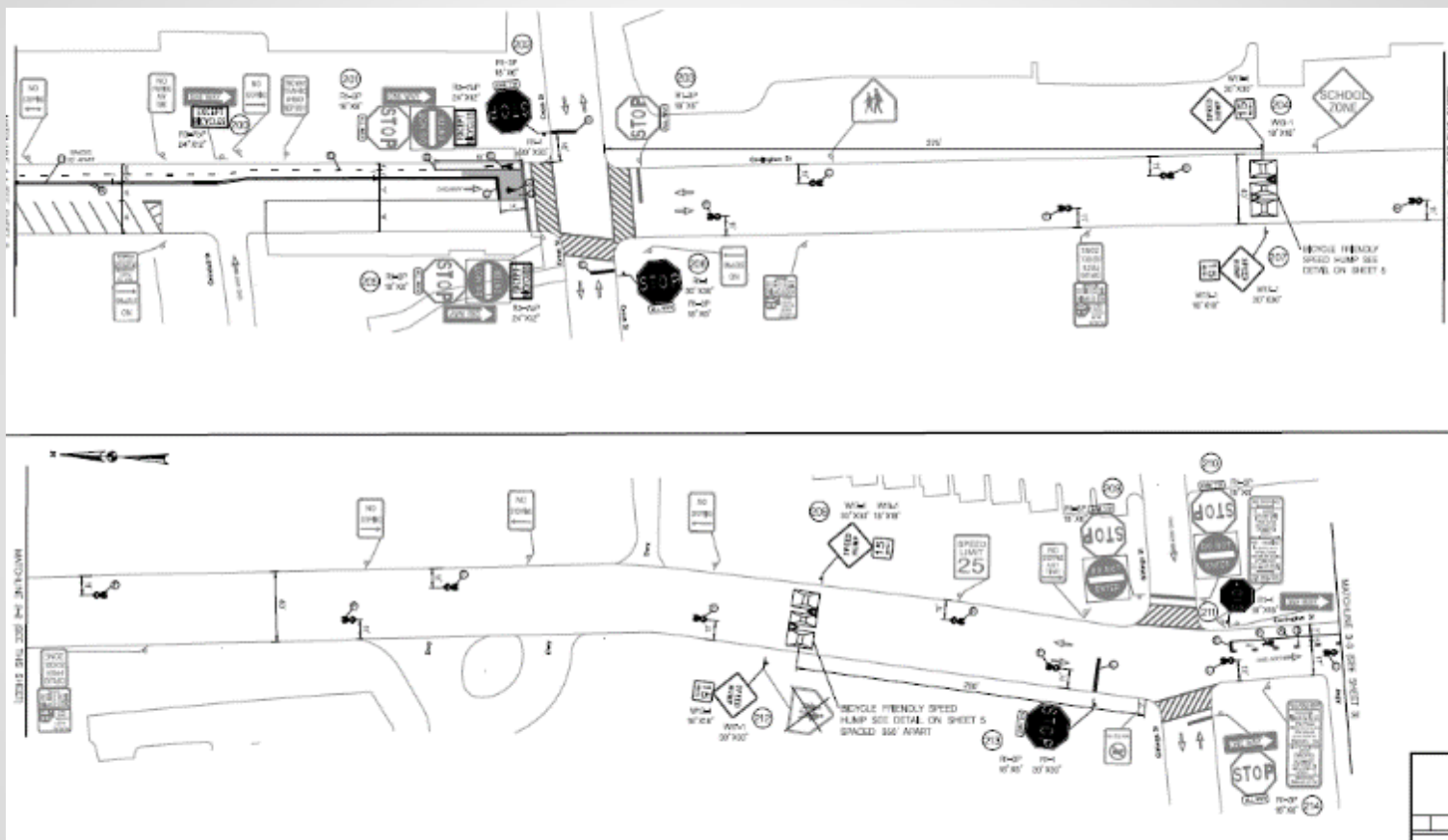
Project Construction Status – Covington Street



	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Covington Street	Cycle Track/Bike Boulevard	Key Highway to E Randall Street	.60	1.2	<ul style="list-style-type: none">\$91,350 FY18 Bikeways	<ul style="list-style-type: none">Construction Complete November 2018



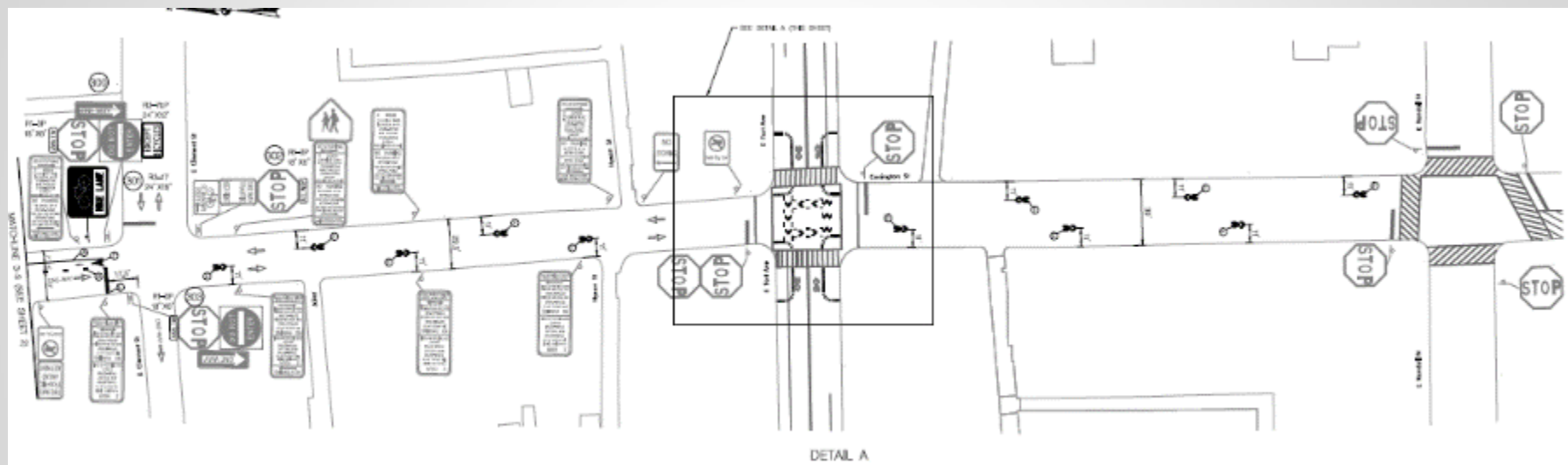
Project Status - Construction



	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Covington Street	Cycle Track/Bike Boulevard	Key Highway to E Randall Street	.60	1.2	<ul style="list-style-type: none">\$91,350 FY18 Bikeways	<ul style="list-style-type: none">Construction Complete November 2018



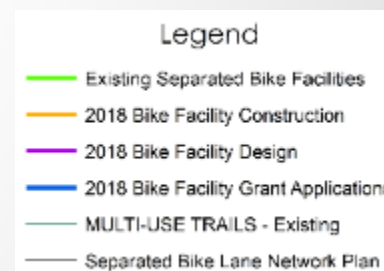
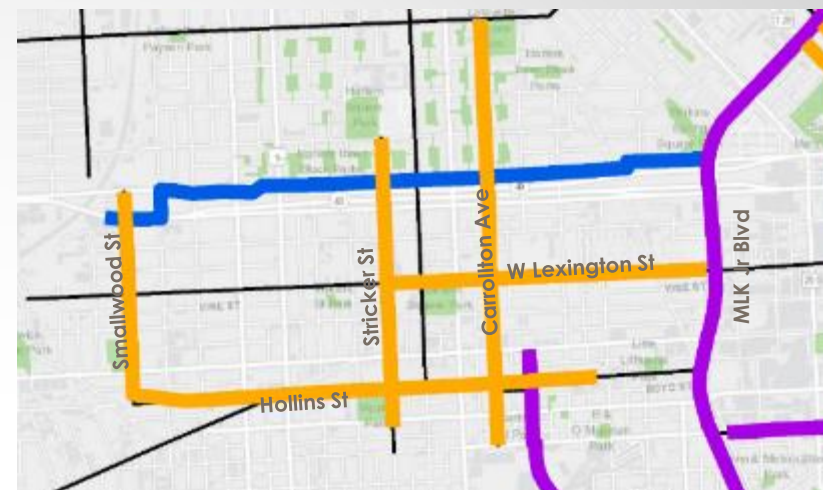
Project Status - Construction



	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Covington Street	Cycle Track/Bike Boulevard	Key Highway to E Randall Street	.60	1.2	<ul style="list-style-type: none">\$91,350 FY18 Bikeways	<ul style="list-style-type: none">Construction Complete November 2018



Project Status - Construction



	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
West Baltimore Bike Blvd	Bike Boulevard	Varies	6.0	6.0	• \$260,000 FY19 Local Funds	• Construction Complete Spring 2019



Project Status – 2018 Design

Legend

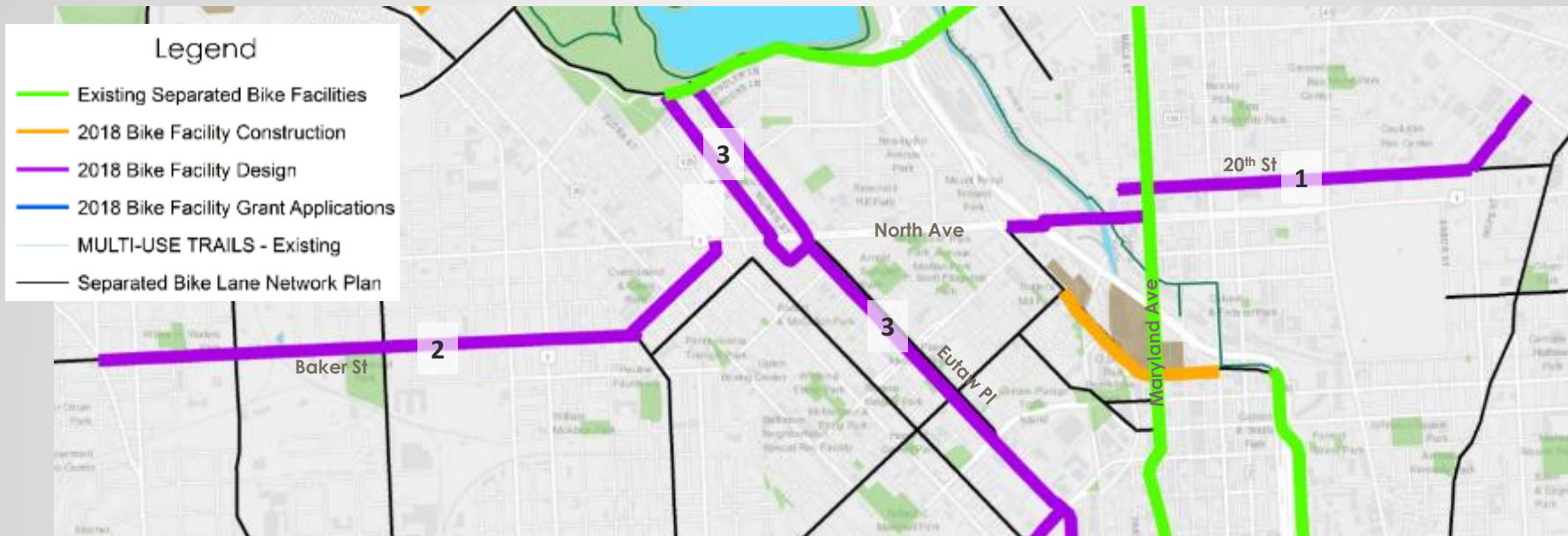
- Existing Separated Bike Facilities
- 2018 Bike Facility Construction
- 2018 Bike Facility Design
- 2018 Bike Facility Grant Applications
- MULTI-USE TRAILS - Existing
- Separated Bike Lane Network Plan



		Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
1	MLK Jr Sidewalk	Multi Use Trail	Druid Hill Ave to Russell Street	1.45	2.9	<ul style="list-style-type: none"> \$41,280 FY17 Bikeways \$3,447.66 FY19 GF 	<ul style="list-style-type: none"> Executing contract with McCormick Taylor for 30% Design Project Kickoff in Winter 2019 Apply for Design/Construction Grant in Spring 2019
2	Arlington Avenue Greenway	Bike Boulevard/ Pedestrian Upgrades	Hollins St to Washington Blvd	.50	1.0	<ul style="list-style-type: none"> \$80,000 FY17 Bikeways \$8,000 Community 	<ul style="list-style-type: none"> Executing contract with RKK for 30% Design Project Kickoff in Winter 2019 Apply for Design/Construction Grant in Spring 2019
3	W Pratt St	Cycle Track/Multi Use Trail	MLK Jr. Blvd to Light St	.8	1.6	<ul style="list-style-type: none"> \$300,000 FY16 Bikeways \$140,000 FY19 GF 	<ul style="list-style-type: none"> 95% Design Complete WRA to Finalize Design Construction complete



Project Status – 2018 Design



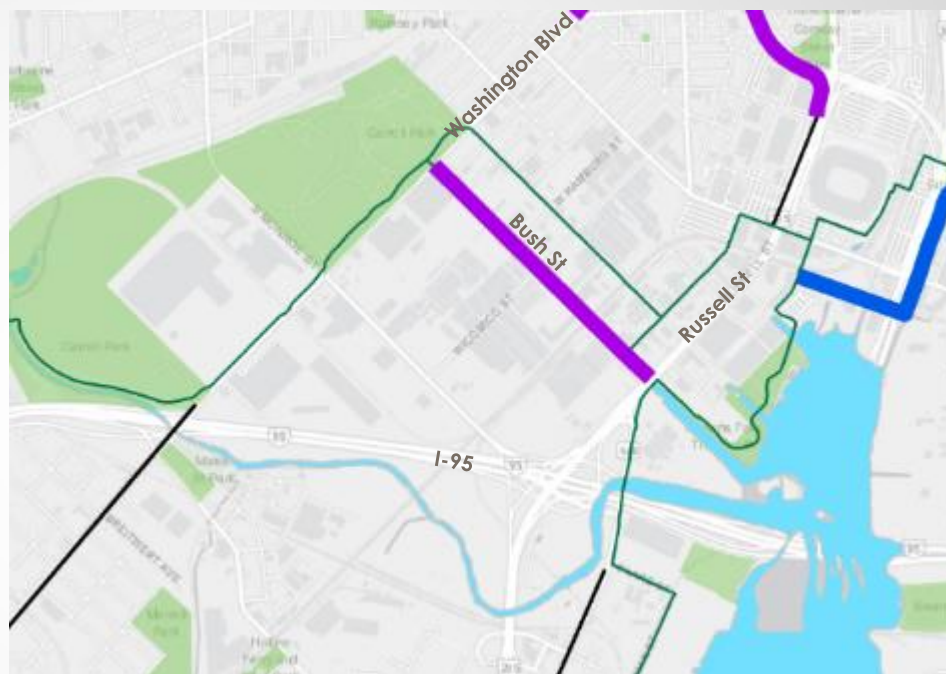
		Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
1	20th St	Bike Lane/Bike Boulevard	Bonaparte to Maryland Ave	1.0	2.0	<ul style="list-style-type: none"> \$250,000 North Avenue Rising Tiger Grant 	<ul style="list-style-type: none"> Design through MTA contract with RKK Design complete by November 2018 Construction complete by November 2019
2	Baker Street	Bike Boulevard	Bloomingdale to North Ave	1.6	3.2	<ul style="list-style-type: none"> \$176,000 North Avenue Rising Tiger Grant 	<ul style="list-style-type: none"> Design through MTA contract with RKK Design complete November 2018 Construction complete by November 2019
3	Eutaw St/Pl	Cycle Track/Bike Lane	Druid Hill Ave to Druid Lake Park Dr	1.7	2.9	<ul style="list-style-type: none"> \$70,000 FY18 Bikeways \$416,000 FY19 Local Funds (Construction) 	<ul style="list-style-type: none"> Executing contract with McCormick Taylor for 100% Design Project kickoff in Winter 2019 Anticipated Construction Fall 2019/Spring 2020



Project Status - Design

Legend

- Existing Separated Bike Facilities
- 2018 Bike Facility Construction
- 2018 Bike Facility Design
- 2018 Bike Facility Grant Applications
- MULTI-USE TRAILS - Existing
- Separated Bike Lane Network Plan



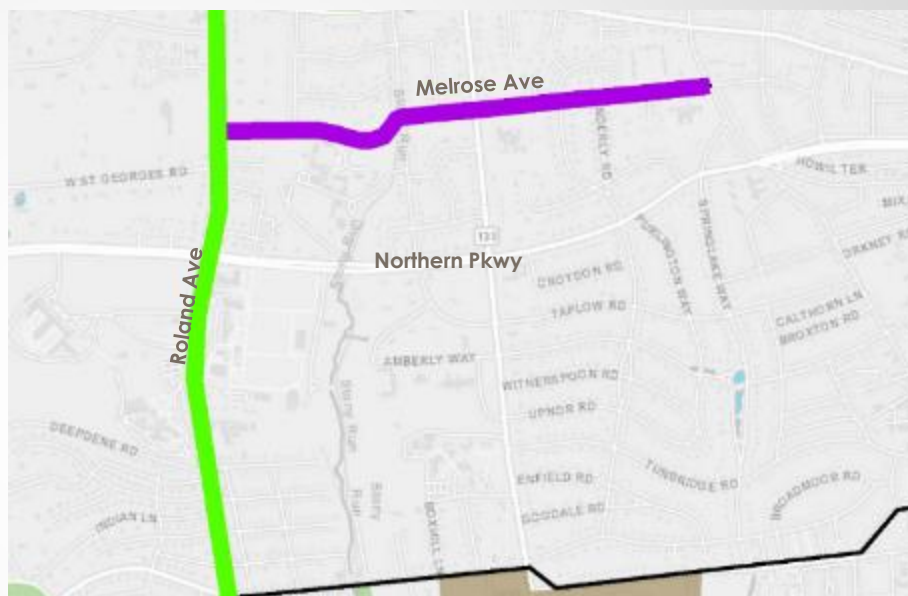
	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Bush Street	Cycle Track	Washington Blvd to Russell St	.60	1.2	<ul style="list-style-type: none">\$49,000 FY19 Local FundsSeeking \$220,000 FY20 Funds for Construction	<ul style="list-style-type: none">Executing Contract with Toole Design for 100% DesignProject kickoff in Winter 2019Construction Fall 2019/Spring 2020



Project Status - Design

Legend

-  Existing Separated Bike Facilities
-  2018 Bike Facility Construction
-  2018 Bike Facility Design
-  2018 Bike Facility Grant Applications
-  MULTI-USE TRAILS - Existing
-  Separated Bike Lane Network Plan



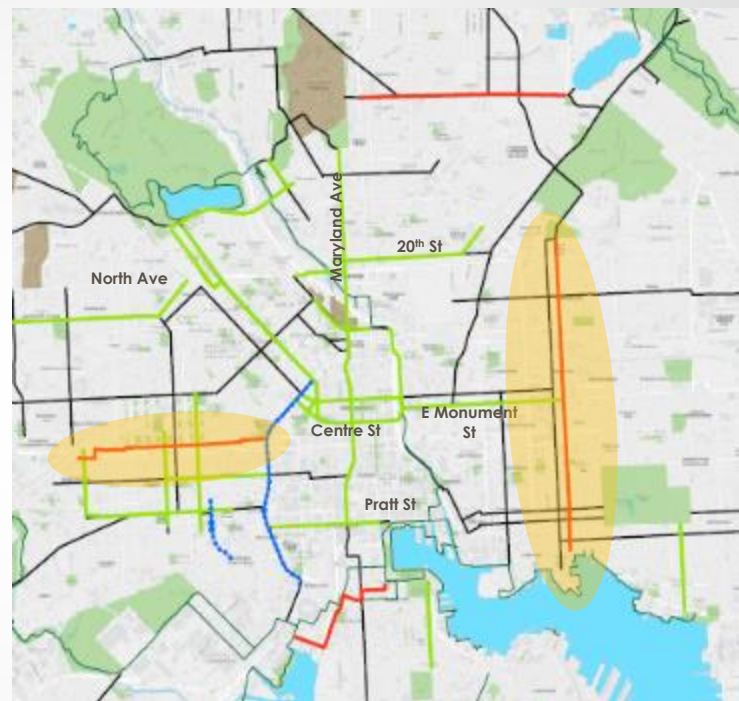
	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
Melrose Ave	Bike Blvd/ Pedestrian Upgrades	Roland Ave to Bellona Ave	.90	1.8	<ul style="list-style-type: none">\$99,600 FY17 Bikeways	<ul style="list-style-type: none">Finalizing Design In HouseConstruction Summer 2019



Grant Application Projects - 2018

Legend

- Bike Facility Design - 2018
- Grant Projects Applied For - 2018
- Separated Lane Network Complete - 2019
- MULTI-USE TRAILS - Existing
- Universities
- Parks



Bikeways – September/October

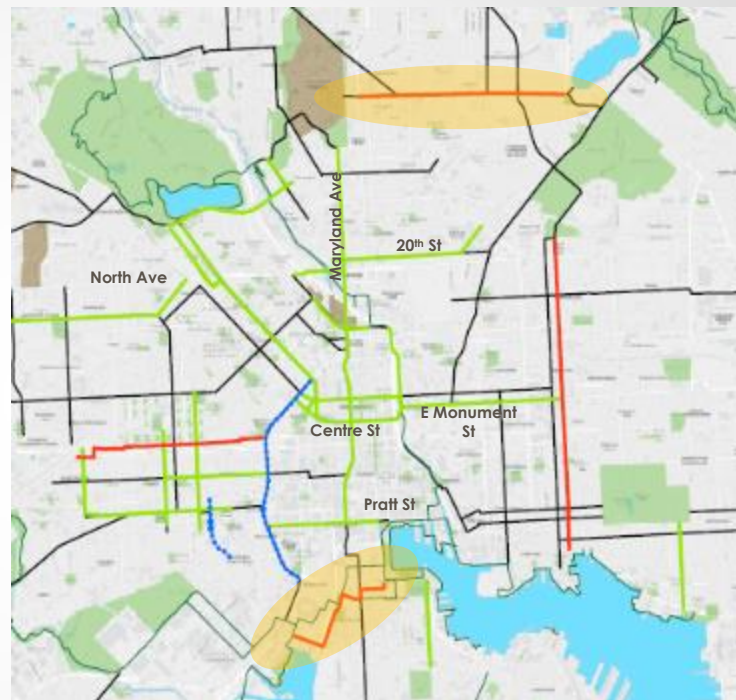
- West Baltimore MARC to Downtown Community Connector – 1.5 mile multi-use path
 - 100% Design (\$392,000)
- Wolfe/Washington Street Cycle Track Feasibility Study
 - 30% Design (\$160,000)



Grant Application Projects - 2018

Legend

- Bike Facility Design - 2018
- Grant Projects Applied For - 2018
- Separated Lane Network Complete - 2019
- MULTI-USE TRAILS - Existing
- Universities
- Parks



Transportation Alternatives Program – September/October

- Greenway Trails 35 Mile Loop
 - 33rd Street Center Running Trail
 - 100% Design (\$350,000)
 - Middle Branch Connection – **Awarded**
 - 100% (\$250,000)



Compiled Construction Timeline

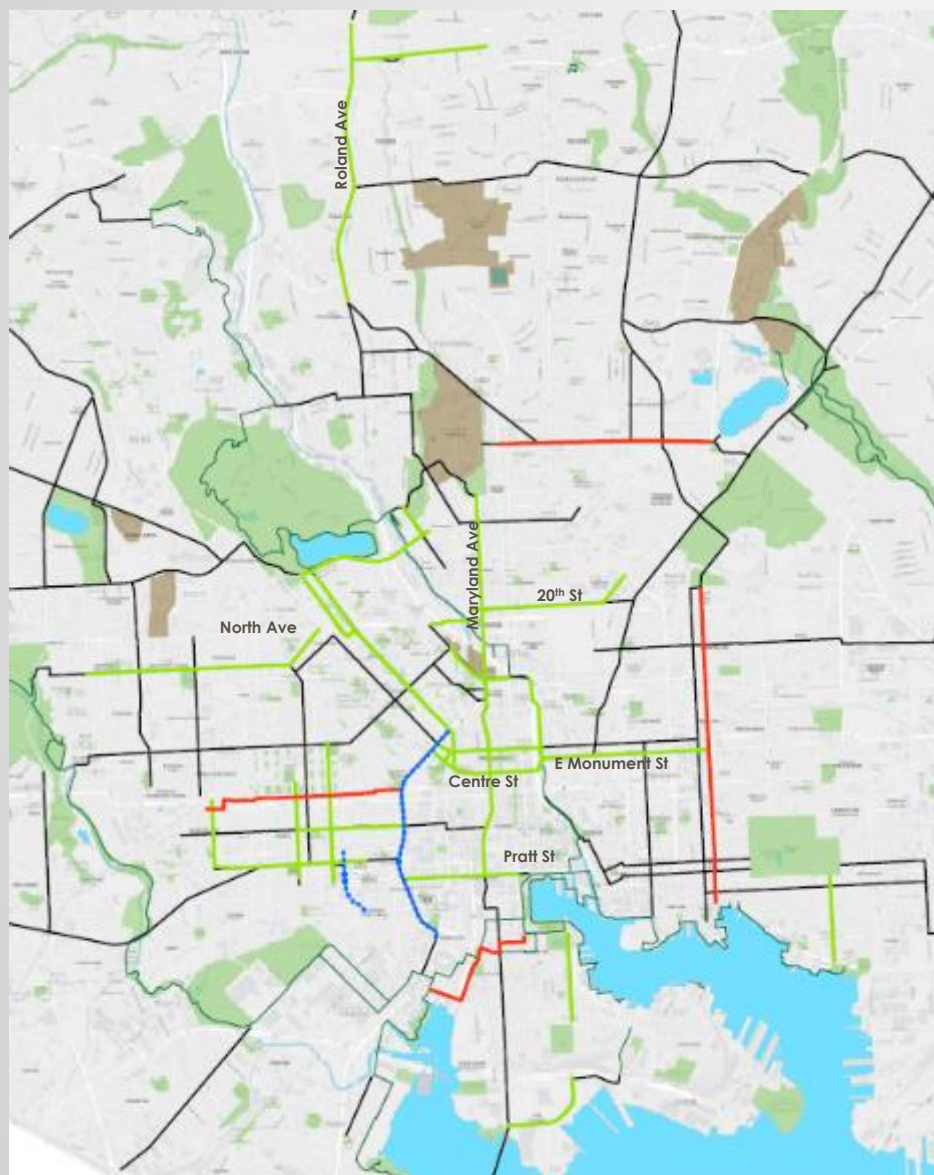
2018		
Covington Street	Cycle Track/ Sharrows/ Counterflow	1.2
33 rd Street	Cycle Track	.03
N High Street	Bike Lane	.30
Downtown Bike Network	Cycle Track/Buffered Bike Lane	4.8
N Paca St	Cycle Track	.50
Big Jump	Temp Shared Use	2.4
Mt Royal Streetscape	Cycle Track	1.0
Total Lane Miles		10.23

2019		
Jones Falls Trail	Trail	8.5
Key Highway Trail	Trail	.04
20 th Street	Cycle Track/ Bike Lane	2.0
Baker St	Cycle Track/ Sharrows	3.2
Melrose Ave	Sharrows	1.8
W Baltimore Bike Blvd	Bike Blvd	6
Eutaw St	Cycle Track/Bike Lane	2.9
W Pratt St	Cycle Track	1.6
Total Lane Miles		26.04

Potential 2020		
MLK Jr Sidepath	Shared Use Path	2.9
Arlington Ave	Sharrows	1.0
Bush Street	Cycle Track	1.2
Total Lane Miles		5.1



Seperated Bike Lane Network Complete by End of 2019



Legend

- Bike Facility Design - 2018
- Grant Projects Applied For - 2018
- Seperated Lane Network Complete - 2019
- MULTI-USE TRAILS - Existing
- Universities
- Parks

What are our FY20 CIP Priorities?



Dockless Pilot Update

- Regular Data Reports will begin on 9/26/2018
- Public API is being made available by both Bird and Lime
- A website has been set up providing information on the dockless program and an email for the public to submit feedback
- A meeting is being held with BCPD on Tuesday September 25 to clarify approach to theft and vandalism
- Language is being drafted that will be provided to 311, City Operator, and other City Agencies clarifying how they are to address dockless vehicles
- A task force is being formed to evaluate the pilot program



MBAC

Miscellaneous Business

